

CD105 Rabbit pAb

Catalog No.: A24488

Basic Information

Observed MW

Refer to figures

Calculated MW

70kDa

Category

Primary antibody

Applications

ELISA, WB

Cross-Reactivity

Mouse

Background

Enables protein homodimerization activity and transforming growth factor beta binding activity. Involved in several processes, including circulatory system development; positive regulation of cell differentiation; and regulation of gene expression. Acts upstream of or within circulatory system development and positive regulation of angiogenesis. Located in endothelial microparticle. Is expressed in several structures, including brain; cardiovascular system; extraembryonic vascular system; and lung. Used to study arteriovenous malformations of the brain and hereditary hemorrhagic telangiectasia. Human ortholog(s) of this gene implicated in arteriovenous malformation; arteriovenous malformations of the brain; breast cancer; hereditary hemorrhagic telangiectasia; and intracranial aneurysm. Orthologous to human ENG (endoglin).

Recommended Dilutions

WB 1:1000 - 1:5000

Immunogen Information

Gene ID

13805

Swiss Prot

Q63961

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 27-581 of mouse CD105 (NP_031958.2).

Synonyms

Endo; CD105; S-endoglin

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

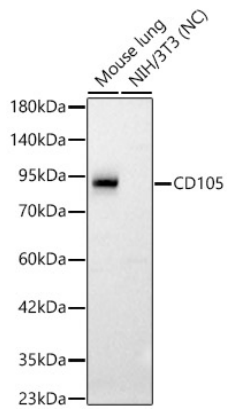
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of various lysates, using CD105 Rabbit pAb (A24488) at 1:2000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Negative control (NC):NIH/3T3
Exposure time: 5s.